```
.MODEL SMALL
.CODE
    MOV AH,2CH
    INT 21H                     ; ch cl dh
                                ;14:24:36
    MOV AL,CH                    ; AAM-14=0104
    AAM                         ;        3030
    MOV BX,AX                   ;     ax=3134
    CALL DISP                   ;       mov dl,ah
    MOV DL,':'                  ;       mov ah,02h
    MOV AH,02H                  ;     int 21h
    INT 21H

 MOV AL,CL
    AAM
    MOV BX,AX
    CALL DISP
    MOV DL,':'
    MOV AH,02H
    INT 21H

    MOV AL,DH
    AAM
    MOV BX,AX
    CALL DISP

    MOV AH,4CH
    INT 21H

    DISP PROC NEAR
    MOV DL,BH        ;BX=0104
    ADD DL,30H       ;  31
    MOV AH,02H ;display character
    INT 21H
    MOV DL,BL
    ADD DL,30H
    mov ah,02h
    INT 21H
    RET
    DISP ENDP
    END
```

```
 File   Edit   View   Search   Run   Watch   Options   Calls                    Help
┌─┤·├──────────────────────local──────────────────────┤↑├──┤·├reg┤↑├
│·├──────────────────source1 CS:IP (ACTIVE)──────────┤↑│   AX = 4C36
052A:002B B44C           MOV       AH,4C                    BX = 0406
052A:002D CD21           INT       21                       CX = 0D3B
052A:002F 8AD7           MOV       DL,BH                     DX = 2E36
052A:0031 80C230         ADD       DL,30                     SP = 0000
052A:0034 B402           MOV       AH,02                     BP = 0000
052A:0036 CD21           INT       21                       SI = 0000
052A:0038 8AD3           MOV       DL,BL                     DI = 0000
052A:003A 80C230         ADD       DL,30                     DS = 051A
052A:003D B402           MOV       AH,02                     ES = 051A
052A:003F CD21           INT       21                       SS = 0529
052A:0041 C3             RET                                 CS = 052A
052A:0042 8E06E401       MOV       ES,Word Ptr [01E4]        IP = 002F
052A:0046 268B162C00     MOV       DX,Word Ptr ES:[002C]     FL = 0206
052A:004B E87B02         CALL      02C9
052A:004E B792           MOV       BH,92
052A:0050 B9FF7F         MOV       CX,7FFF                   NV UP EI PL
                                                             NZ NA PE NC
├─┤·├──────────────────────command──────────────────────┤↑│
051A:0000   CD 20 FF 9F 00 EA FF FF-AD DE 6C 02 CD 03 32 03   . ...↑
051A:0010   CD 03 4B 0A CD 03 FF 04-FF FF FF FF FF FF FF FF   ..K..
>
```

```
C:\MASM>link TIMEDISP;;

Microsoft (R) Overlay Linker  Version 3.60
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LINK : warning L4021: no stack segment

C:\MASM>cv TIMEDISP
13:59:46
Type EXIT to return to CodeView
```

```
Welcome to DOSBox v0.74

For a short introduction for new users type: INTRO
For supported shell commands type: HELP

To adjust the emulated CPU speed, use ctrl-F11 and ctrl-F12.
To activate the keymapper ctrl-F1.
For more information read the README file in the DOSBox direc

HAVE FUN!
The DOSBox Team http://www.dosbox.com
```

```
C:\MASM>_
```